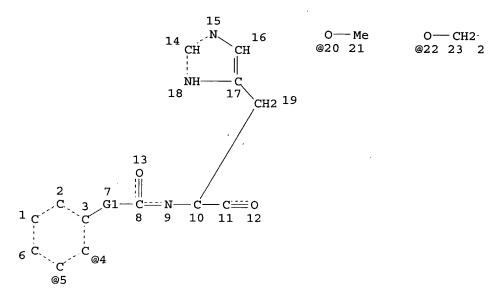
Scientific and Technical Information Center SEARCH REQUEST FORM

M	81
	1.

Requester's Full Name: Jeffre	E. Russel	Examiner # : 62785	Date: June 9 2005
	umber: 2-0969	Serial Number: <u>I</u> Results Format Preferred	
Location (Bldg/Room#) \$EM 3 D19 (M	**********	********	******
To ensure an efficient and quality search, ple	ase attach a copy of the cov	er sheet, claims, and abstract	or fill out the following:
Title of Invention: Modified G	LP-1 reptides	With Increased	Biological lotency
nventors (please provide full names):			
irventors (piease provide ran names). 12	romacy resign	# ⁰	
Earliest Priority Date: 9-25-2003			
Search Topic: Please provide a detailed statement of the sear elected species or structures, keywords, synony Define any terms that may have a special mean	ms, acronyms, and registry r	iumbers, and combine with the	concept or utility of the invention.
For Sequence Searches Only* Please include	e all pertinent information (p	parent, child, divisional, or issu	ed patent numbers) along with the
oppropriate serial number.	" - ti-l stru	rturer	····¢
Ple-se search the followhy	A		
(CH) =	- 1 AN-C	"	
(0) (0)	C = Mg/1. C	- (
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or halogen), A ((I JCH
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	AA Sequence (#)		Orbit Lexis/Nexis
Searcher Phone #:	Structure (#)	Westlaw	
Searcher Location:			quence systems
Date Searcher Picked Up:	Ripliographic		
Date Completed:	Litigation	Commercial Interference	Oligomer Score/Length SPDI Encode/Transl
Searcher Prep & Review Time:			Other (specify)



G2 @32

26

Page 1-A

Me 4

Page 2-A
REP G1=(0-1) CH2
VAR G2=20/22/OH/NH2/31
VPA 32-4/5 U
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 32

STEREO ATTRIBUTES: NONE

L3 46 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 83477 ITERATIONS

SEARCH TIME: 00.00.02

46 ANSWERS

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST

163.91 164.12

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L4 0 FILE MEDLINE
L5 0 FILE BIOSIS
L6 0 FILE EMBASE
L7 33 FILE CAPLUS

TOTAL FOR ALL FILES L8 33 L3

=> fil caplus;s 18 and (glp1 or (glucagon like peptide(w)1))
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
SESSION
FULL ESTIMATED COST
5.76
169.88

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FILE COVERS 1907 - 22 Jun 2005 VOL 142 ISS 26 FILE LAST UPDATED: 21 Jun 2005 (20050621/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
701 GLP1
         23851 GLUCAGON
           103 GLUCAGONS
         23864 GLUCAGON
                 (GLUCAGON OR GLUCAGONS)
        672456 LIKE
         252 LIKES
        672671 LIKE
                 (LIKE OR LIKES)
        331383 PEPTIDE
        242343 PEPTIDES
        424312 PEPTIDE
                 (PEPTIDE OR PEPTIDES)
          2541 GLUCAGON LIKE PEPTIDE
                 (GLUCAGON (W) LIKE (W) PEPTIDE)
       8306103 1
          1796 GLUCAGON LIKE PEPTIDE(W)1
             1 L7 AND (GLP1 OR (GLUCAGON LIKE PEPTIDE(W)1))
L9
=> d ibib abs hitstr
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L9 ANSWER 1 OF 1
ACCESSION NUMBER:
DOCUMENT NUMBER:
10:298100
Modified GLP-1 peptides with increased biol. potency in the treatment of glucose metabolism disorders, insulin resistance, and related conditions
Gravel, Denis; Peri, Krishna; Abribat, Thierry; Habi, Abdelkrim
Theratechnologies Inc., Can.
SOURCE:
DOCUMENT TYPE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
FAMILY ACC. NUM.

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

OTHER SOURCE(S): MARPAT 140:298100

AB The present invention relates to a GLP-1 peptide having the following formula, or a pharmaceutically acceptable salt thereof:

X-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-Y (SEQ ID NO.1), wherein

Ala-Lys-Glu-Phe-1le-Ala-Trp-Leu-Val-Lys-Gly-Arg-Y (SEQ ID NO.1), wherein is a rigidifying hydrophobic moiety and wherein Y is selected from the group consisting of OH, NH2 and Gly-OH. Moreover, the present invention relates to pharmaceutical compns. comprising a therapeutically effective amount of a peptide of the present invention, or a pharmaceutically acceptable salt thereof, in association with at least one constituent otted from a pharmaceutically acceptable carrier, diluent, and excipient. 676471-29-5 676471-29-8 676471-22-0 676471-31-1 676471-25-3 676471-26-4 676471-42-3 676471-42-3 676471-42-1 676471-49-1 676471-49-1 676471-50-4 676471-49-1 676471-49

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-B

ANSMER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) conditions)
676471-19-5 CAPLUS
L-Arginine, N-(2-ethoxybenzoyl)-L-histidyl-L-slanyl-L-a-glutamylglycyl-L-threonyl-L-seryl-L-threonyl-L-seryl-L-threonyl-L-seryl-L-q-aspartyl-L-valyl-L-seryl-L-teryl-L-threonyl-L-leucyl-L-a-glutamylglycyl-L-glutaminyl-L-alanyl-L-alanyl-L-lysyl-L-a-glutamyl-L-phenylalanyl-L-isolaucyl-L-lalanyl-L-tryptophyl-L-leucyl-L-a-glutamyl-L-lysylglycyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

(Continued)

PAGE 1-D

PAGE 1-E

PAGE 1-C

L11 55 PERI K?/AU

L12 38 ABRIBAT T?/AU

L13 13 HABI A?/AU

=> s l1 and l11 and l12 and l13

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress... Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 11:23:19
SAMPLE SCREEN SEARCH COMPLETED - 4057 TO ITERATE

24.6% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

0 ANSWERS

PROJECTED ITERATIONS: 77321 TO 84959 PROJECTED ANSWERS: 0 TO 0

L14 0 SEA SSS SAM L1

L15 0 L14

MISSING OPERATOR L12 ANDL13
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 110 and 111 and 112 and 113
MISSING OPERATOR L12 ANDL13
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d ibib abs

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ACCESSION NUMBER:

ACCESSION NUMBER:

1004:287858 CAPLUS

101298100

Modified GLP-1 peptides with increased biol. potency in the treatment of glucose metabolism disorders, insulin resistance, and related conditions

Gravel, Denie; Peri, Krishna;

Abribat, Thierry; Rabi, Abelkrim

PATENT ASSIGNEE(S):

Theratechnologies Inc., Can.

PCT Int. Appl., 47 pp.

CODEN: PIXXD2

PATENT NOCODEN: PIXXD2

PATENT INFORMATION:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

MO 2004029081 A3 20040408 W0 2003-CA1470 20030925

W0 2004029081 A3 20040722

W1: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CC, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GH, HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR, KZ, LC, LK,

AN, PA, PH, PP, PP, RO, RU, SC, SD, SS, SG, SK, SK, SY, TJ, TM,

TM, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZM,

RM: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZM, AM, AZ, BY,

KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,

PI, FR, GB, GR, HU, IE, IT, LU, MC, PT, RO, SE, SI, SK, TR,

BF, BJ, CP, CG, CI, CM, GA, GN, GG, GM, ML, MR, NE, SN, TD, TG

US 2004127412 A1 20040701 US 2003-671340 20030925

COTHER SOURCE(S):

MARPAT 140:298100

AB The present invention relates to a GLP-1 peptide having the following formula, or a pharmaceutically acceptable salt thereof:

X-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-

Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-Y (SEC) ID NO.1), wherein X

is a rigidifying hydrophobic molety and wherein Y is selected from the group consisting of OH, NH2 and Gly-OH. Moreover, the present invention relates to a pharmaceutically acceptable salt thereof, in association with at least one constituent selected

from a pharmaceutically acceptable carrier, diluent, and excipient.
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2 8 1 .

=> fil medl, biosis, embase; s 116 COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 3.10 198.51 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -0.73 -1.46 FILE 'MEDLINE' ENTERED AT 11:24:04 ON 22 JUN 2005 FILE 'BIOSIS' ENTERED AT 11:24:04 ON 22 JUN 2005 Copyright (c) 2005 The Thomson Corporation FILE 'EMBASE' ENTERED AT 11:24:04 ON 22 JUN 2005 COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved. O FILE MEDLINE L17 0 FILE BIOSIS L18 O FILE EMBASE L19 TOTAL FOR ALL FILES 0 L16 L20 => s (glp1 or (glucagon like peptide(w)1)) 1645 FILE MEDLINE L21 2143 FILE BIOSIS L22 L23 1982 FILE EMBASE TOTAL FOR ALL FILES 5770 (GLP1 OR (GLUCAGON LIKE PEPTIDE(W) 1)) => s (110 and 111 and 112 and 113) and 124 O FILE MEDLINE L25 L26 0 FILE BIOSIS L27 0 FILE EMBASE TOTAL FOR ALL FILES 0 (L10 AND L11 AND L12 AND L13) AND L24 => del his y => fil req COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 2.55 201.06 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE 0.00 -1.46 FILE 'REGISTRY' ENTERED AT 11:24:46 ON 22 JUN 2005

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